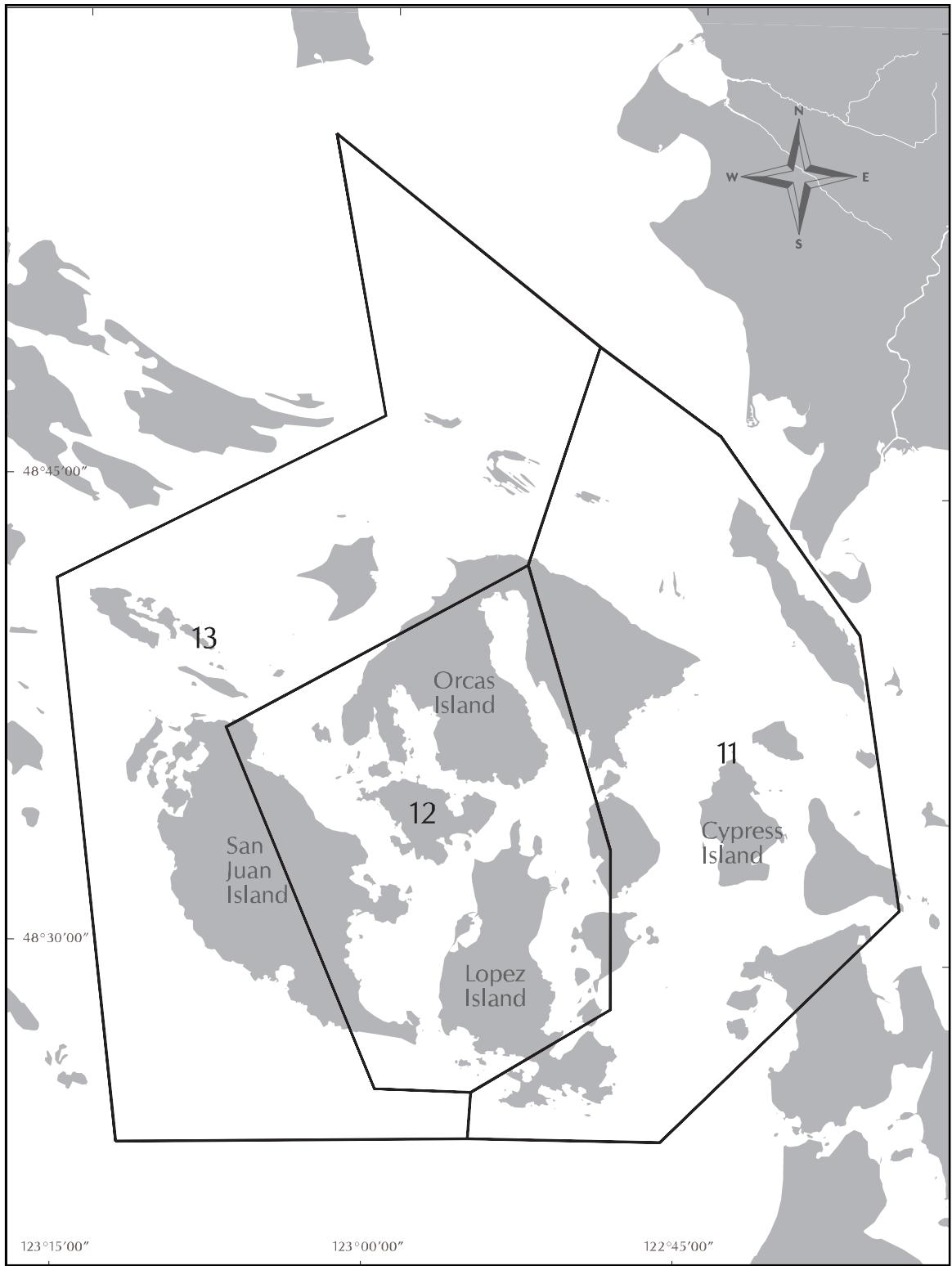


San Juan Islands Seal and Sea Lion Haulout Sites



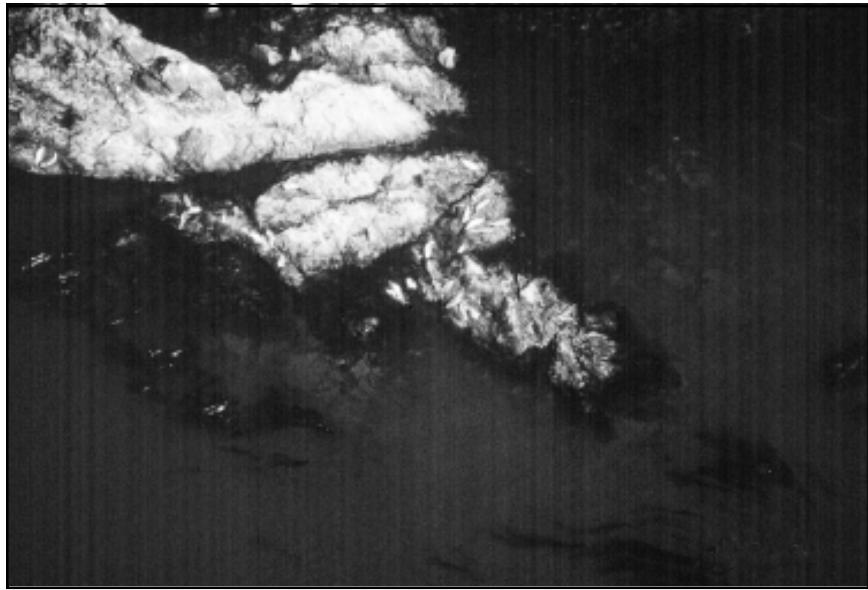
San Juan Islands Regions 11, 12, and 13



Region 11: San Juan Islands- Rosario Strait

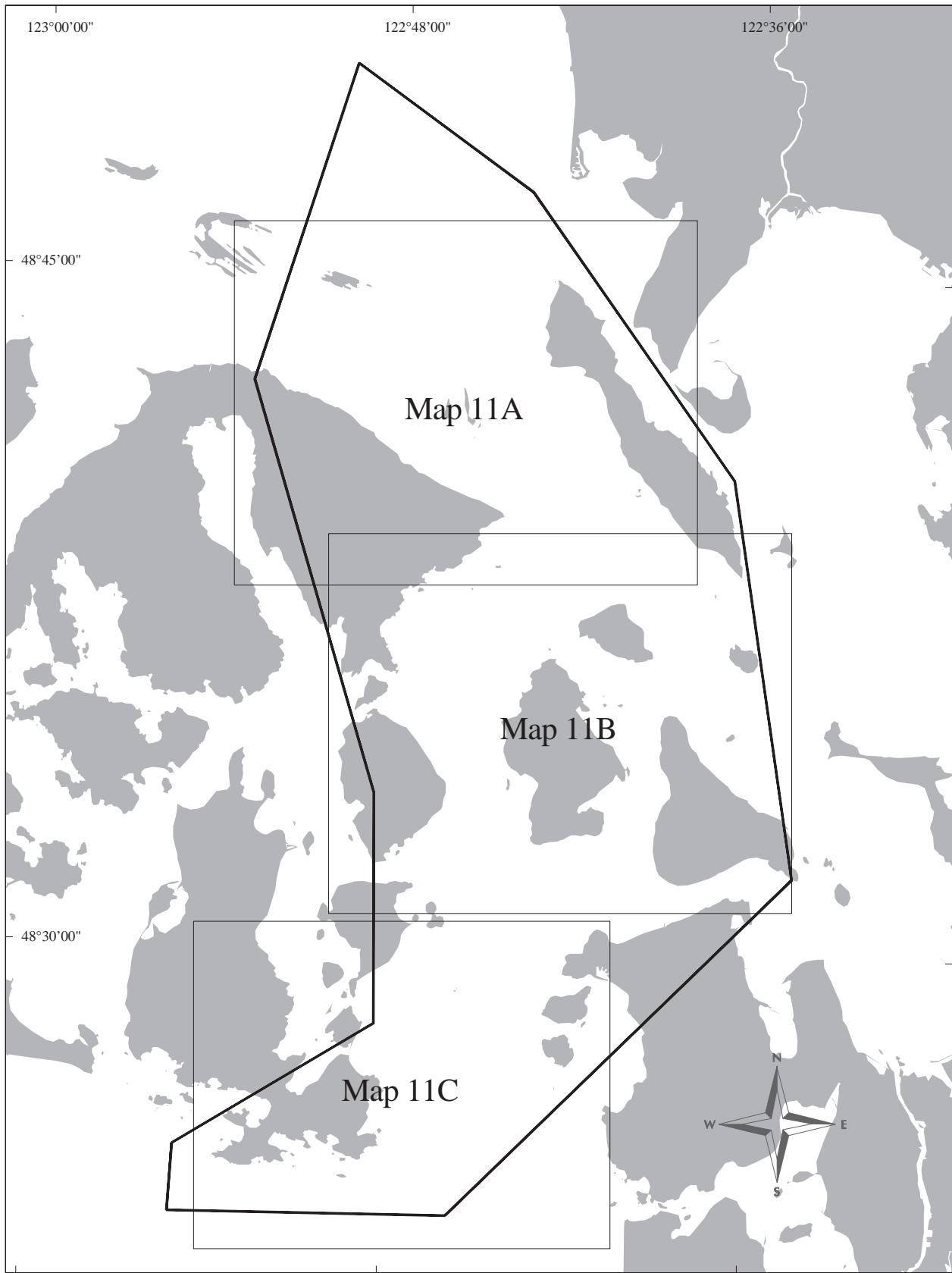
Use NOAA Charts 18421 (Strait of Juan de Fuca and Strait of Georgia/Drayton Harbor), 18429 (Rosario Strait-southern part), 18430 (Rosario Strait-northern part), and 18431 (Rosario Strait to Cherry Point) for navigation and bathymetry details.

Numerous harbor seal haulout sites are located on intertidal rocks, reefs, and islands in this region. Peak counts occur during the pupping season (mid-June through August) and annual molt (mid-August through October). Small numbers of sea lions may occasionally use navigation buoys.



Harbor seals hauled out along Colville Island, August 13, 1996.

San Juan Islands Region 11: Rosario Strait



Region 11: San Juan Islands: Rosario Strait

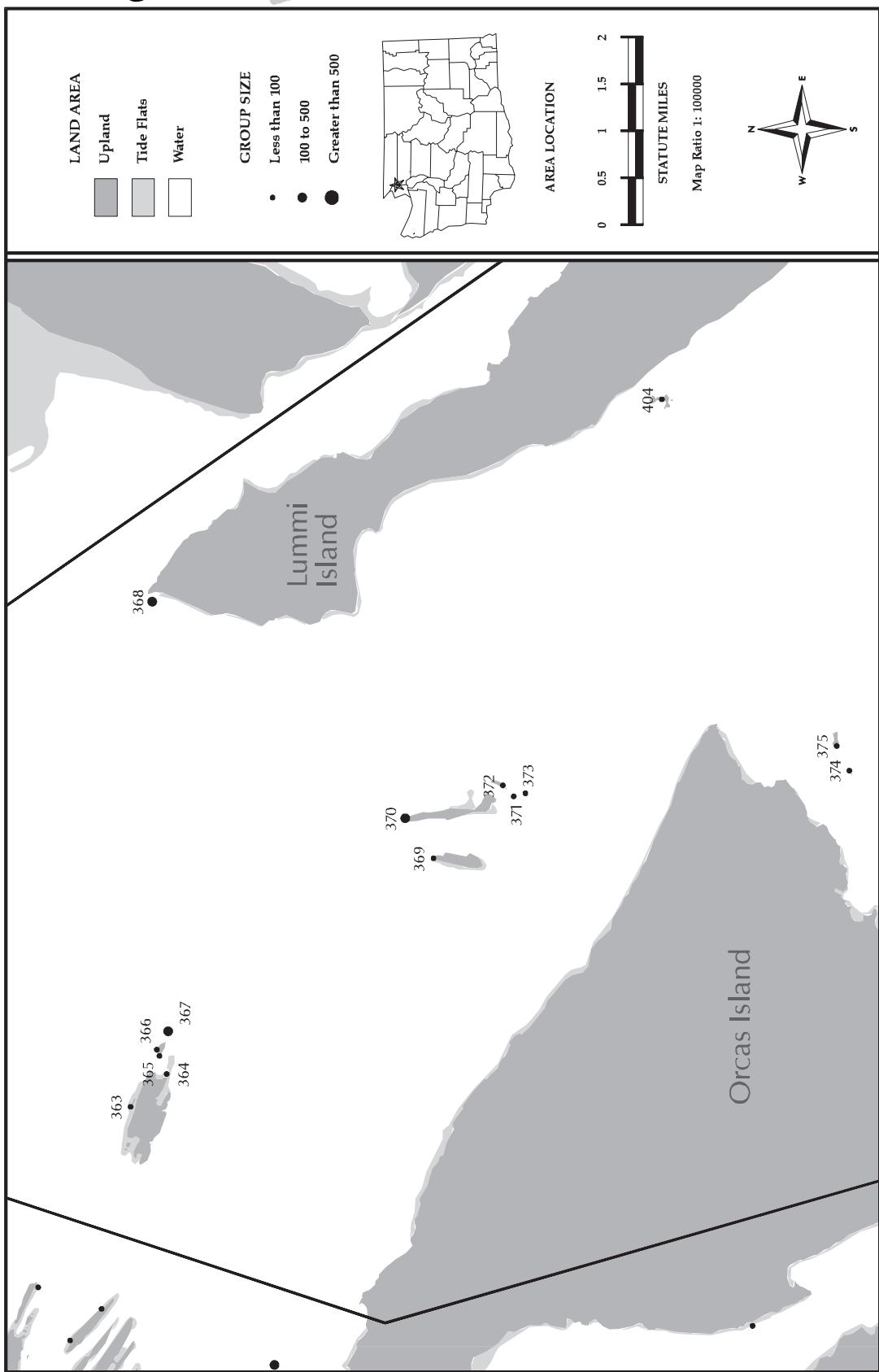
<u>ID</u>	<u>Location</u>	<u>Survey Code</u>	<u>Latitude</u>	<u>Longitude</u>	<u>Species</u>	<u>Count</u>	<u>Use</u>
363	Matia Island Area	11.01	4844.96	12245.03	PV	<100	LOW
364	Matia Island Area	11.01	4844.64	12249.55	PV	<100	LOW
365	Puffin Island Area	11.02	4844.71	12249.30	PV	<100	LOW
366	Puffin Island Area	11.02	4844.74	12249.22	PV	<100	LOW
367	Reef East of Puffin Island	11.03	4844.64	12248.95	PV	100-500	LOW
368	Lummi Island/Point Migley	11.04	4844.90	12242.96	PV	100-500	LOW
369	Barnes Island	11.05	4842.23	12246.43	PV	<100	LOW
370	Clark Island	11.06	4842.50	12245.88	PV	100-500	LOW
371	The Sisters Area	11.07	4841.51	12245.53	PV	<100	LOW
372	The Sisters Area	11.07	4841.61	12245.38	PV	<100	LOW
373	Little Sister	11.08	4841.40	12245.49	PV	<100	LOW
374	Middle Peapod Rock	11.09	4838.41	12245.04	PV	<100	LOW
375	North Peapod Rock	11.10	4838.53	12244.71	PV	<100	LOW
376	South Peapod Rock	11.11	4838.04	12245.45	PV	100-500	LOW
377	Boulder Reef Area	11.12	4838.11	12241.35	PV	100-500	LOW
378	Buckeye Shoal	11.13	4837.44	12243.72	PV	<100	LOW
379	Cypress Reef	11.14	4836.98	12243.14	PV	<100	LOW
380	Cone Island	11.15	4835.54	12240.69	PV	<100	LOW
381	Sinclair Island, SE	11.16	4836.77	12239.41	PV	<100	LOW
382	Viti Island	11.17	4837.96	12237.26	PV	<100	LOW
383	Black Rock	11.18	4832.78	12245.85	PV	<100	LOW
384	Pointer Island	11.19	4832.30	12246.85	PV	<100	LOW
385	Lawson Rock	11.20	4831.87	12247.24	PV	<100	LOW
386	Belle Rock	11.21	4829.59	12245.09	PV	<100	LOW
387	Bird Rocks	11.22	4829.10	12245.65	PV	<100	LOW
388	Bird Rocks	11.22	4829.16	12245.61	PV	<100	LOW
389	Bird Rocks	11.22	4829.23	12245.56	PV	<100	LOW
390	Burrows Island/West Side	11.25	4829.03	12242.72	PV	<100	LOW
391	Allan Island/NW End	11.26	4828.06	12242.70	PV	<100	LOW
392	Williamson Rocks	11.27	4826.99	12242.28	PV	100-500	LOW
393	Castle Rock Area	11.28	4825.30	12249.23	PV	<100	LOW
394	Colville Island	11.29	4824.87	12249.24	PV	100-500	LOW
395	Aleck Bay Area	11.30	4825.18	12251.31	PV	<100	LOW
396	Aleck Bay Area	11.30	4825.11	12250.81	PV	<100	LOW
397	Aleck Bay Area	11.30	4825.34	12250.90	PV	<100	LOW
398	Iceberg Point	11.31	4825.21	12253.42	PV	<100	LOW
399	Iceberg Point	11.31	4825.12	12253.08	PV	<100	LOW
400	Iceberg Point	11.32	4825.18	12252.00	PV	<100	LOW
401	Iceberg Island	11.33	4825.66	12253.30	PV	<100	LOW
402	Kellett Ledge	11.34	4827.03	12247.52	PV	<100	LOW
403	Spindle Rock/N Blakely Island	11.35	4835.30	12247.96	PV	<100	LOW
404	Lummi Rocks	11.36	4840.24	12239.94	PV	<100	LOW
405	Vendovi Island	11.37	4837.02	12236.66	PV	100-500	LOW

Region 11: San Juan Islands: Rosario Strait

<u>ID</u>	<u>Description</u>
363	On intertidal ledges and reef areas along north side of island.
364	On intertidal rocks and reef areas off east end of island.
365	On intertidal rocks and reef area on west end of Puffin Island.
366	On intertidal ledges on north side of Puffin Island. Nursery area.
367	On reef area just east of Puffin Island. Nursery area.
368	On rocks and reef area off Point Migley.
369	On intertidal rocks and reef areas on north end of island.
370	On intertidal rocks and reef areas on north end of island.
371	On intertidal rocks and reef areas off southeast end of Barnes Island.
372	On intertidal area around The Sisters Rock (USFWS ID 47).
373	On intertidal area around Little Sister Rock (USFWS ID 48).
374	On intertidal rocks and reef areas around Middle Peapod Rock (USFWS ID 63).
375	On intertidal rocks and reef areas around North Peapod Rock (USFWS ID 64).
376	On intertidal rocks and reef areas around South Peapod Rock (USFWS ID 62).
377	On intertidal rocks and reef area at Boulder Reef
378	On intertidal reef area at Buckeye Shoal.
379	On intertidal rocks and shoals at Cypress Reef.
380	On intertidal areas around Cone Islands.
381	On intertidal rocks and reef areas on southeast end of island.
382	On intertidal rocks and reef areas around Viti Island (USFWS ID 66).
383	On intertidal rocks and reef areas around Black Rock.
384	On intertidal rocks and reef areas around Pointer Island (USFWS ID 57).
385	On intertidal rocks and reef areas around Lawson Rock (USFWS ID 56).
386	On intertidal areas around Belle Rock.
387	On intertidal rocks and reef areas around south Bird Rocks (USFWS ID 80).
388	On intertidal rocks and reef areas around middle Bird Rocks (USFWS ID 80).
389	On intertidal rocks and reef areas around north Bird Rocks (USFWS ID 80).
390	On intertidal ledges and reef area off the northwest side of island.
391	On intertidal rocks and reef area off the northwest side of island.
392	On intertidal ledges and reef areas around Williamson Rocks (USFWS ID 81). Nursery area.
393	On scattered intertidal rocks and reef areas around Castle Rock area.
394	On intertidal ledges and rocks on south side of Colville Island USFWS ID 82).
395	Intertidal rocks and reef areas off Aleck Bay.
396	Intertidal ledges and reef areas around unnamed rock (USFWS ID 10) at entrance to Aleck Bay.
397	Intertidal ledges and reef areas around unnamed rock (USFWS ID 11) at entrance to Aleck Bay.
398	Intertidal ledges and reef areas just east of Iceberg Point.
399	Intertidal ledges and reef area east of Iceberg Point (USFWS ID 14).
400	Intertidal rocks and reef areas around unnamed rocks in bay east of Iceberg Point.
401	Intertidal rocks and reef areas around Iceberg Island.
402	On intertidal reef areas around Kellett Ledge.
403	Intertidal areas around Spindle Rock.
404	Intertidal rocks and reef areas around Lummi Rocks.
405	Intertidal rocks and reef areas off northwest side of island.

San Juan Islands

Region 11A: Rosario Strait-North

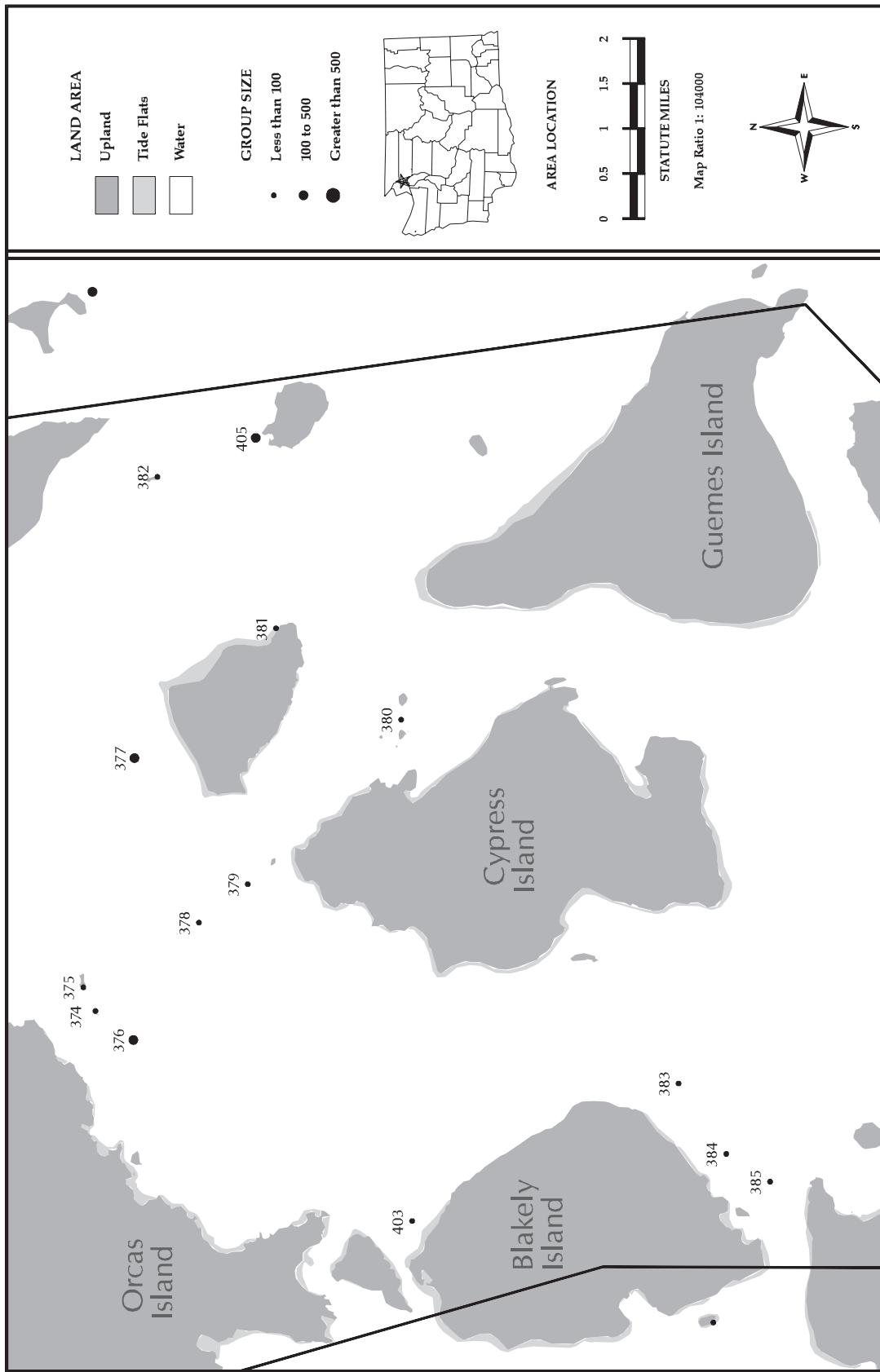


San Juan Islands
Map 11A: Rosario Strait-North

ID	Location	Latitude	Longitude	Species	Description
363	Matia Island Area	4844.96	12245.03	PV	On intertidal ledges and reef areas along north side of island.
364	Matia Island Area	4844.64	12249.55	PV	On intertidal rocks and reef areas off east end of island.
365	Puffin Island Area	4844.71	12249.30	PV	On intertidal rocks and reef area on west end of Puffin Island.
366	Puffin Island Area	4844.74	12249.22	PV	On intertidal ledges on north side of Puffin Island. Nursery area.
367	Reef East of Puffin Island	4844.64	12248.95	PV	On reef area just east of Puffin Island. Nursery area.
368	Lummi Island/Pt Migley	4844.90	12242.96	PV	On rocks and reef area off Point Migley.
369	Barnes Island	4842.23	12246.43	PV	On intertidal rocks and reef areas on north end of island.
370	Clark Island	4842.50	12245.88	PV	On intertidal rocks and reef areas on north end of island.
371	The Sisters Area	4841.51	12245.53	PV	On intertidal rocks and reef areas off southeast end of Barnes Island.
372	The Sisters Area	4841.61	12245.38	PV	On intertidal area around The Sisters Rock (USFWS ID 47).
373	Little Sister	4841.40	12245.49	PV	On intertidal area around Little Sister Rock (USFWS ID 48).
374	Middle Peapod Rock	4838.41	12245.04	PV	On intertidal rocks and reef areas around Middle Peapod Rock (USFWS ID 63).
375	North Peapod Rock	4838.53	12244.71	PV	On intertidal rocks and reef areas around North Peapod Rock (USFWS ID 64).
404	Lummi Rocks	4840.24	12239.94	PV	Intertidal rocks and reef areas around Lummi Rocks.

San Juan Islands

Map 11B: Rosario Strait-Central

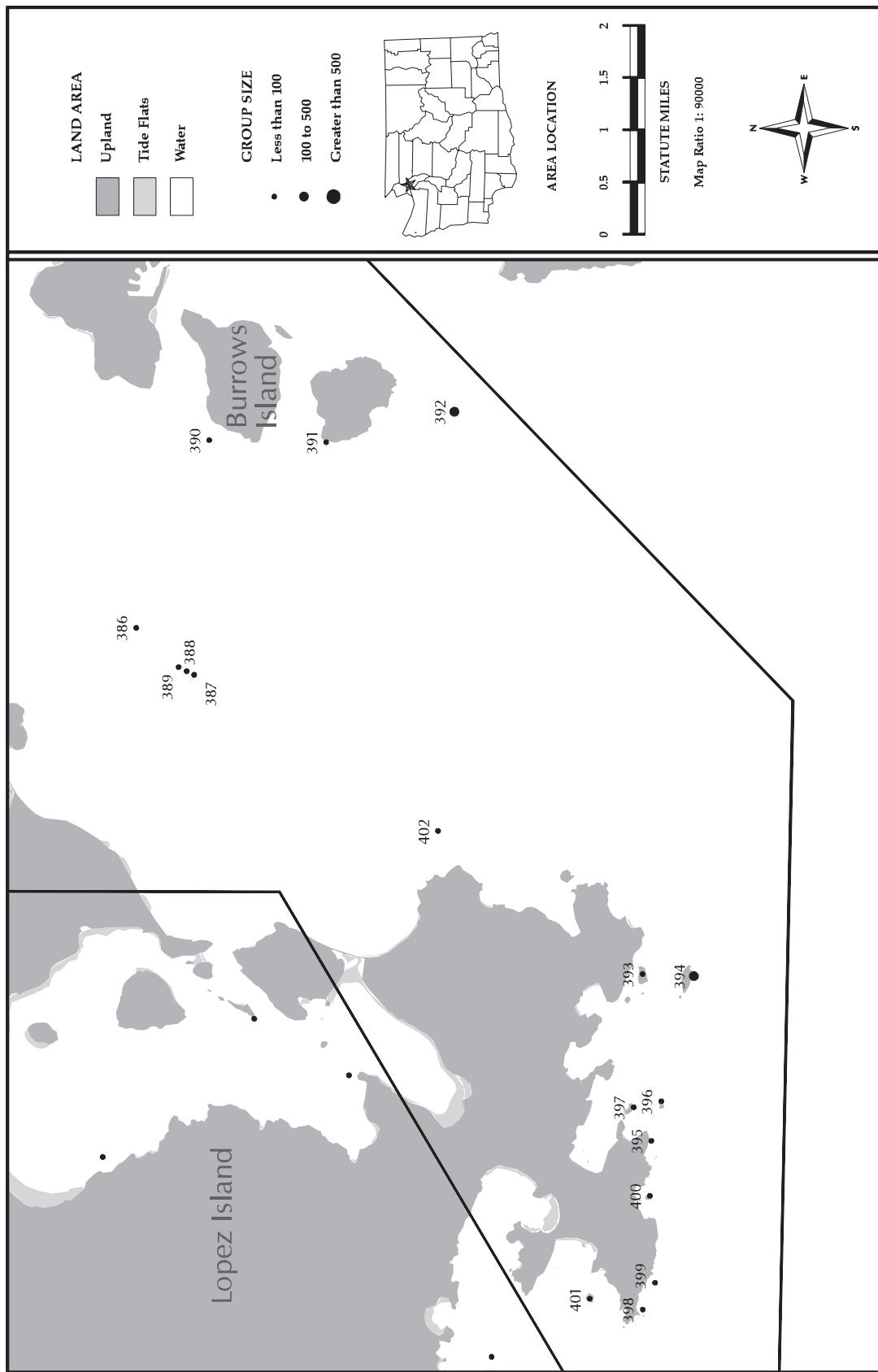


San Juan Islands
Map 11B: Rosario Strait-Central

ID	Location	Latitude	Longitude	Species	Description
374	Middle Peapod Rock	48 38.41	122 45.04	PV	On intertidal rocks and reef areas around Middle Peapod Rock (USFWS ID 63).
375	North Peapod Rock	48 38.53	122 44.71	PV	On intertidal rocks and reef areas around North Peapod Rock (USFWS ID 64).
376	South Peapod Rock	48 38.04	122 45.45	PV	On intertidal rocks and reef areas around South Peapod Rock (USFWS ID 62).
377	Boulder Reef Area	48 38.11	122 41.35	PV	On intertidal rocks and reef area at Boulder Reef.
378	Buckeye Shoal	48 37.44	122 43.72	PV	On intertidal reef area at Buckeye Shoal.
379	Cypress Reef	48 36.98	122 43.14	PV	On intertidal rocks and shoals at Cypress Reef.
380	Cone Island	48 35.54	122 40.69	PV	On intertidal areas around Cone Islands.
381	Sinclair Island, SE	48 36.77	122 39.41	PV	On intertidal rocks and reef areas on southeast end of island.
382	Viti Island	48 37.96	122 37.26	PV	On intertidal rocks and reef areas around Viti Island (USFWS ID 66).
383	Black Rock	48 32.78	122 45.85	PV	On intertidal rocks and reef areas around Black Rock.
384	Pointer Island	48 32.30	122 46.85	PV	On intertidal rocks and reef areas around Pointer Island (USFWS ID 57).
385	Lawson Rock	48 31.87	122 47.24	PV	On intertidal rocks and reef areas around Lawson Rock (USFWS ID 56).
403	Spindle Rock/N Blakely Is	48 35.30	122 47.96	PV	Intertidal areas around Spindle Rock.
405	Vendovi Island	48 37.02	122 36.66	PV	Intertidal rocks and reef areas off northwest side of island.

San Juan Islands

Region 11C: Rosario Strait-South



San Juan Islands
Map 11C: Rosario Strait-South

ID	Location	Latitude	Longitude	Species	Description
386	Belle Rock	4829.59	12245.09	PV	On intertidal areas around Belle Rock
387	Bird Rocks	4829.10	12245.65	PV	On intertidal rocks and reef areas around south Bird Rocks (USFWS ID 80).
388	Bird Rocks	4829.16	12245.61	PV	On intertidal rocks and reef areas around middle Bird Rocks (USFWS ID 80).
389	Bird Rocks	4829.23	12245.56	PV	On intertidal rocks and reef areas around north Bird Rocks (USFWS ID 80).
390	Burrows Island/West Side	4829.03	12242.72	PV	On intertidal ledges and reef area off the north west side of island.
391	Allan Island/NW End	4828.06	12242.70	PV	On intertidal rocks and reef area off the north west side of island.
392	Williamson Rocks	4826.99	12242.28	PV	On intertidal ledges and reef areas around Williamson Rocks (USFWS ID 81). Nursery area.
393	Castle Rock Area	4825.30	12249.23	PV	On scattered intertidal rocks and reef areas around Castle Rock area.
394	Colville Island	4824.87	12249.24	PV	On intertidal ledges and rocks on south side of Colville Island USFWS ID 82).
395	Aleck Bay Area	4825.18	12251.31	PV	Intertidal rocks and reef areas off Aleck Bay.
396	Aleck Bay Area	4825.11	12250.81	PV	Intertidal ledges and reef areas around unnamed rock (USFWS ID 10) at entrance to Aleck Bay.
397	Aleck Bay Area	4825.34	12250.90	PV	Intertidal ledges and reef areas around unnamed rock (USFWS ID 11) at entrance to Aleck Bay.
398	Iceberg Point	4825.21	12253.42	PV	Intertidal ledges and reef areas just east of Iceberg Point.
399	Iceberg Point	4825.12	12253.08	PV	Intertidal ledges and reef area east of Iceberg Point (USFWS ID 14).
400	Iceberg Point	4825.18	12252.00	PV	Intertidal rocks and reef areas around unnamed rocks in bay east of Iceberg Point.
401	Iceberg Island	4825.66	12253.30	PV	Intertidal rocks and reef areas around Iceberg Island.
402	Kellett Ledge	4827.03	12247.52	PV	On intertidal reef areas around Kellett Ledge.

Region 12: San Juan Islands-San Juan Channel

Use NOAA Charts 18421 (Strait of Juan de Fuca and Strait of Georgia/Drayton Harbor), 18434 (San Juan Channel), 18432 (Boundary Pass) for navigation and bathymetry details.

Numerous harbor seal haulout sites are located on intertidal rocks, reefs, and islands in this region.

Peak counts occur during the pupping season (mid-June through August) and annual molt (mid-August through October). Small numbers of sea lions may occasionally use navigation buoys.

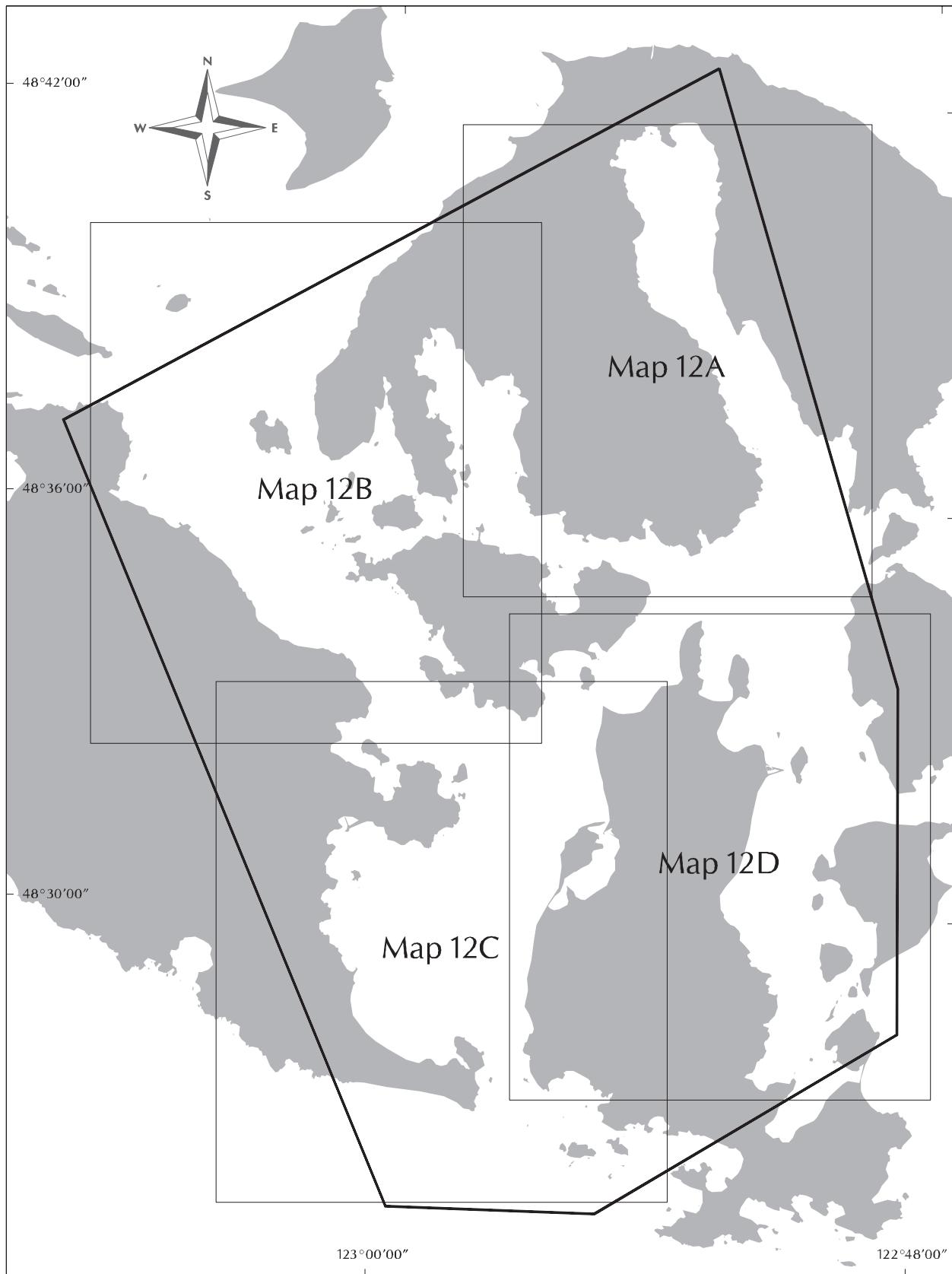


Harbor seals hauled out on Whale Rock at low tide, August 13, 1996.



San Juan Islands

Region 12: San Juan Channel



Region 12: San Juan Islands: San Juan Channel

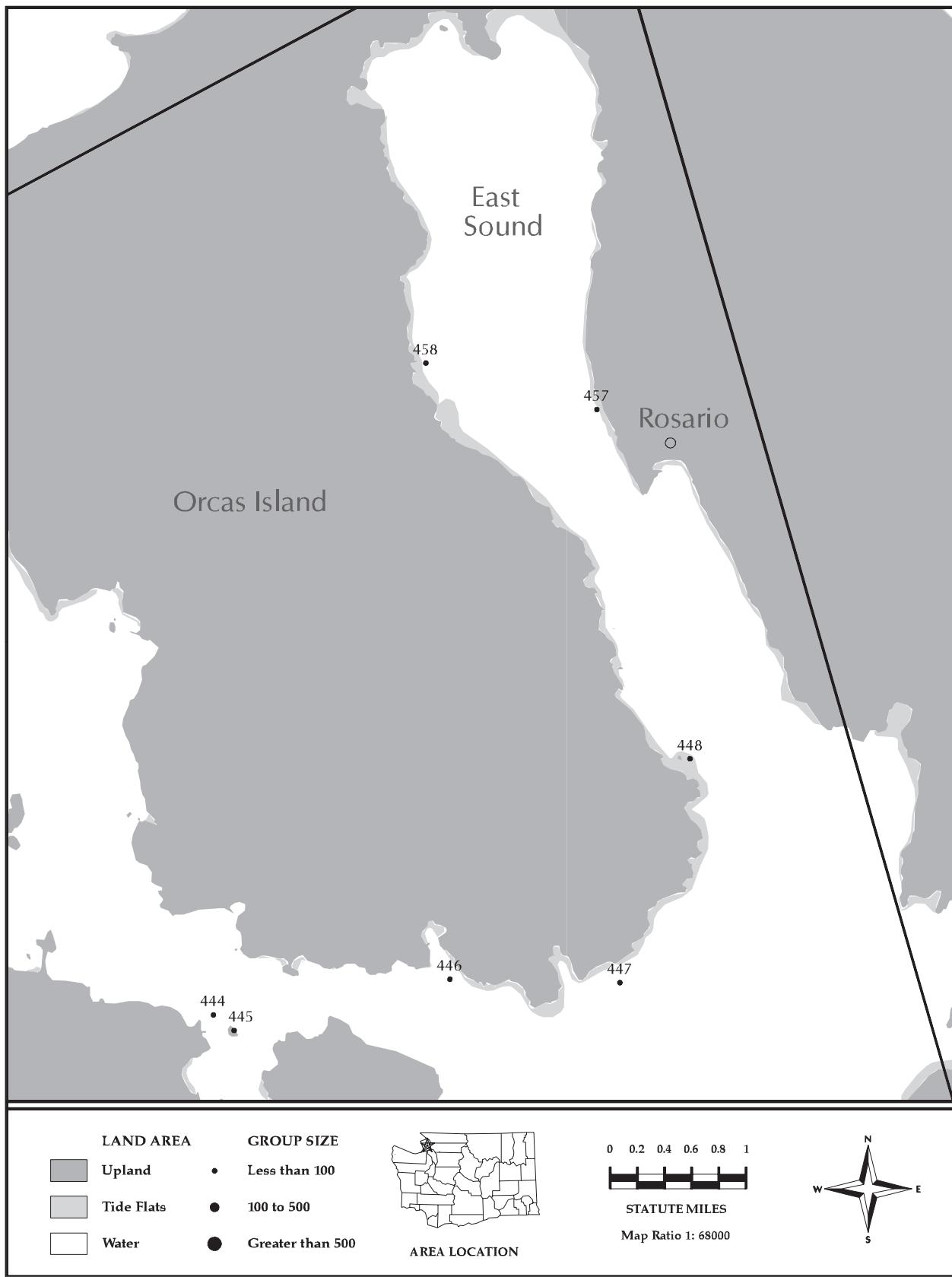
<u>ID</u>	<u>Location</u>	<u>Survey</u>	<u>Code</u>	<u>Latitude</u>	<u>Longitude</u>	<u>Species</u>	<u>Count</u>	<u>Use</u>
406	Hall Island Area		12.01	4826.12	12254.65	PV	<100	LOW
407	Rock NW of Hall Island		12.02	4826.16	12254.81	PV	<100	LOW
408	Secar Rock		12.03	4826.29	12254.33	PV	<100	LOW
409	Rocks E of Charles Island		12.04	4826.45	12254.07	PV	<100	LOW
410	SE of Long Island		12.05	4826.32	12254.98	PV	<100	LOW
411	Reef S of Long Island		12.06	4826.27	12255.52	PV	<100	LOW
412	SW of Long Island		12.07	4826.35	12255.84	PV	<100	LOW
413	N of Long Island		12.08	4826.62	12255.30	PV	<100	LOW
414	Mummy Rock		12.09	4826.99	12255.73	PV	<100	LOW
415	Whale Rock		12.10	4826.84	12256.46	PV	<100	LOW
416	Buck Island		12.11	4827.14	12255.21	PV	<100	LOW
417	Rocks off Davis Point		12.12	4827.35	12255.85	PV	<100	LOW
418	Deadman Island		12.13	4827.54	12256.51	PV	<100	LOW
419	Goose Island		12.14	4827.53	12257.37	PV	100-500	LOW
420	Shark Reef		12.15	4828.58	12256.77	PV	<100	LOW
421	Harbor Rock		12.16	4828.21	12258.16	PV	<100	LOW
422	North Pacific Rock		12.17	4828.29	12259.75	PV	<100	LOW
423	Halftide Rocks		12.18	4828.73	12259.93	PV	<100	LOW
424	Low Point		12.19	4829.09	12300.40	PV	<100	LOW
425	Reef S of Dinner Island		12.20	4830.30	12300.41	PV	100-500	LOW
426	NW of Dinner Island (N Bay)		12.21	4830.59	12300.99	PV	<100	LOW
427	Pear Point Area		12.22	4830.89	12258.82	PV	<100	LOW
428	Pear Point Area		12.22	4830.83	12258.94	PV	<100	LOW
429	Pear Point Area		12.22	4831.08	12258.58	PV	<100	LOW
430	Danger Rock/NE of Pear Point		12.23	4831.26	12258.16	PV	<100	LOW
431	Reef Point		12.24	4831.70	12258.00	PV	<100	LOW
432	Rock in Hicks Bay		12.25	4833.10	12258.07	PV	<100	LOW
433	Rocks NE of Point George		12.26	4833.99	12259.01	PV	<100	LOW
434	Tift Rocks, S of Neck Point		12.27	4834.71	12259.84	PV	<100	LOW
435	E Of Neck Point, Shaw Island		12.28	4835.22	12300.38	PV	<100	LOW
436	Bell Island/E of Crane Island		12.29	4835.77	12258.76	PV	<100	LOW
437	Reef W of Cliff Island		12.30	4835.33	12301.13	PV	<100	LOW
438	Nob Island		12.31	4835.47	12301.04	PV	<100	LOW
439	Bird Rock/W of Crane Island		12.32	4835.90	12300.82	PV	<100	LOW
440	Reef Island		12.33	4836.31	12300.97	PV	<100	LOW
441	Rock W of Yellow Island		12.34	4835.46	12301.97	PV	100-500	LOW
442	Rocky Bay		12.35	4836.05	12305.87	PV	<100	LOW
443	Rocks SW of O'Neil Island		12.36	4836.20	12305.53	PV	<100	LOW
444	Blind Island		12.37	4835.21	12256.33	PV	<100	LOW
445	Blind Island		12.37	4835.12	12256.13	PV	<100	LOW
446	S of Grindstone Harbor		12.38	4835.49	12254.07	PV	<100	LOW
447	Shag Rock		12.39	4835.50	12252.43	PV	<100	LOW
448	East Sound/Twin Rocks		12.40	4836.94	12251.82	PV	<100	LOW
449	Leo Reef		12.41	4833.19	12251.25	PV	100-500	LOW
450	Flower Island		12.42	4832.78	12251.11	PV	<100	LOW
451	Willow Island		12.43	4832.38	12249.30	PV	<100	LOW
452	Small Island		12.44	4829.74	12251.71	PV	<100	LOW
453	Crab Island		12.45	4827.71	12250.60	PV	<100	LOW
454	Ram Island		12.46	4828.51	12249.93	PV	<100	LOW
455	McConnell Island		12.47	4835.65	12301.30	PV	<100	LOW
456	Reef E of Jones Island		12.48	4836.74	12302.16	PV	<100	LOW
457	East Sound/NW of Rosario		12.49	4839.16	12252.82	PV	<100	LOW
458	East Sound/NW of Rosario		12.49	4839.42	12254.48	PV	<100	LOW
459	Low Island		12.50	4835.36	12301.46	PV	<100	LOW
460	Turn Rock		12.51	4832.14	12257.79	PV	<100	LOW

Region 12: San Juan Islands: San Juan Channel

ID	Description
406	Intertidal rocks and reefs around Hall Island (USFWS ID 15).
407	Rock (USFWS ID 16) and intertidal reef area northwest of Hall Island.
408	On intertidal areas around Secar Rock (USFWS ID 17), east of Charles Island.
409	Intertidal areas around rock (USFWS ID 18) and reef east of Charles Island.
410	Intertidal areas around rock (USFWS ID 19) southeast of Long Island.
411	Intertidal areas around reef south of Long Island.
412	Intertidal areas around rock (USFWS ID 20) southwest of Long Island.
413	Intertidal area around reef north of Long Island.
414	Intertidal area around Mummy Rocks (USFWS ID 21).
415	Intertidal areas on Whale Rock.
416	Intertidal areas on Buck Island (USFWS ID 83).
417	Intertidal areas on rocks and reef off Davis Point.
418	Intertidal areas on Deadman Island.
419	Intertidal areas around north end of Goose Island.
420	Intertidal areas on Shark Reef (USFWS ID 23).
421	Intertidal areas on Harbor Rock (USFWS ID 24).
422	Intertidal areas on North Pacific Rocks (USFWS ID 25).
423	Intertidal areas on Halftide Rocks (USFWS ID 26).
424	Intertidal areas off Low Point.
425	Intertidal reefs and rocks just south of Dinner Island (USFWS ID 74).
426	Intertidal reefs and rocks in North Bay (northwest of Dinner Island).
427	Intertidal reefs off Pear Point.
428	Intertidal reefs off Pear Point.
429	Intertidal reefs just north of Pear Point.
430	Intertidal areas around Danger Rock.
431	Intertidal rock (USFWS ID 51) and reef area off Reef Point.
432	Intertidal areas on rocks in Hicks Bay.
433	Intertidal areas on rocks northeast of Point George.
434	Intertidal areas on Tift Rocks (south of Neck Point).
435	Intertidal areas on rocks east of Neck Point.
436	Intertidal areas on Bell Island.
437	Intertidal reef area west of Cliff Island.
438	Intertidal areas on Nob Island.
439	Intertidal areas on Bird Rock (USFWS ID 68).
440	Intertidal areas on Reef Island.
441	Intertidal areas on rocks and reef west of Yellow Island (USFWS ID 69).
442	Intertidal areas on reef in west Rocky Bay.
443	Intertidal areas on O'Neil Island in Rocky Bay.
444	Intertidal areas on Blind Island.
445	Intertidal areas on rocks and reefs around Blind Island.
446	Intertidal rocks and reef south of Grindstone Harbor.
447	Intertidal areas on Shag Rock (USFWS ID 53).
448	Intertidal areas around Twin Rocks in East Sound.
449	Intertidal areas around Leo Reef.
450	Intertidal areas around Flower Island (USFWS ID 54).
451	Intertidal areas around Willow Island (USFWS ID 55).
452	Intertidal areas on Small Island (USFWS ID 1).
453	Intertidal areas on Crab Island (USFWS ID 5).
454	Intertidal areas on Ram Island.
455	Intertidal areas around McConnell Island.
456	Intertidal reef areas on east side of Jones Island.
457	Intertidal reefs and rocks in East Sound.
458	Intertidal reef areas on west side of East Sound.
459	Intertidal areas around Low Island.
460	Intertidal areas on Turn Rock.

San Juan Islands

Map 12A: San Juan Channel-East Sound



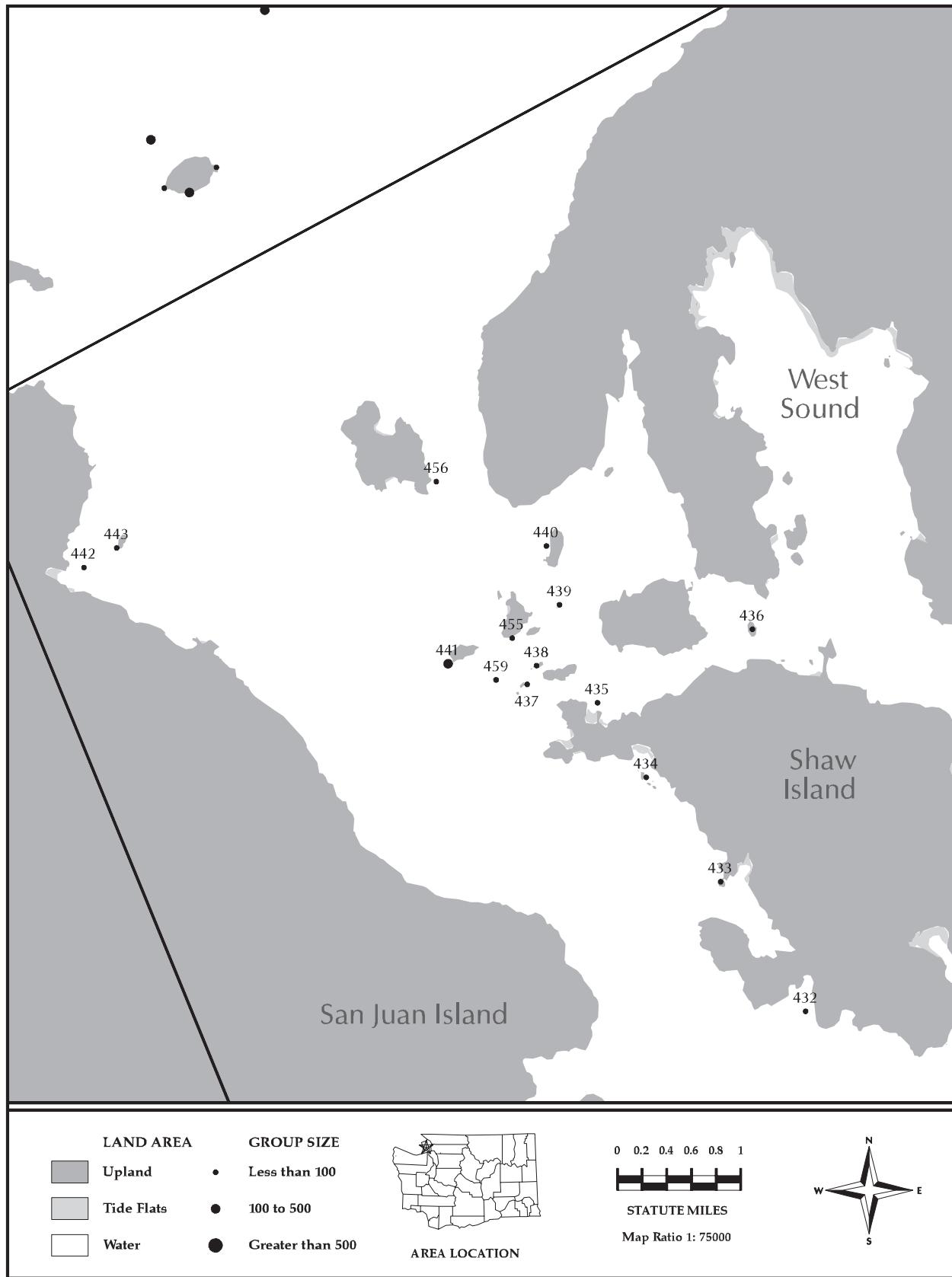
San Juan Islands
Map 12A: San Juan Channel-East Sound

ID	Location	Latitude	Longitude	Species	Description
444	Blind Island	48 35.21	122 56.33	PV	Intertidal areas on Blind Island.
445	Blind Island	48 35.12	122 56.13	PV	Intertidal areas on rocks and reefs around Blind Island.
446	S of Grindstone Harbor	48 35.49	122 54.07	PV	Intertidal rocks and reef south of Grindstone Harbor.
447	Shag Rock	48 35.50	122 52.43	PV	Intertidal areas on Shag Rock (USFWS ID 53).
448	East Sound/Twin Rocks	48 36.94	122 51.82	PV	Intertidal areas around Twin Rocks in East Sound.
457	East Sound/NW of Rosario	48 39.16	122 52.82	PV	Intertidal reefs and rocks in East Sound.
458	East Sound/NW of Rosario	48 39.42	122 54.48	PV	Intertidal reef areas on west side of East Sound.



San Juan Islands

Map 12B: San Juan Channel-North



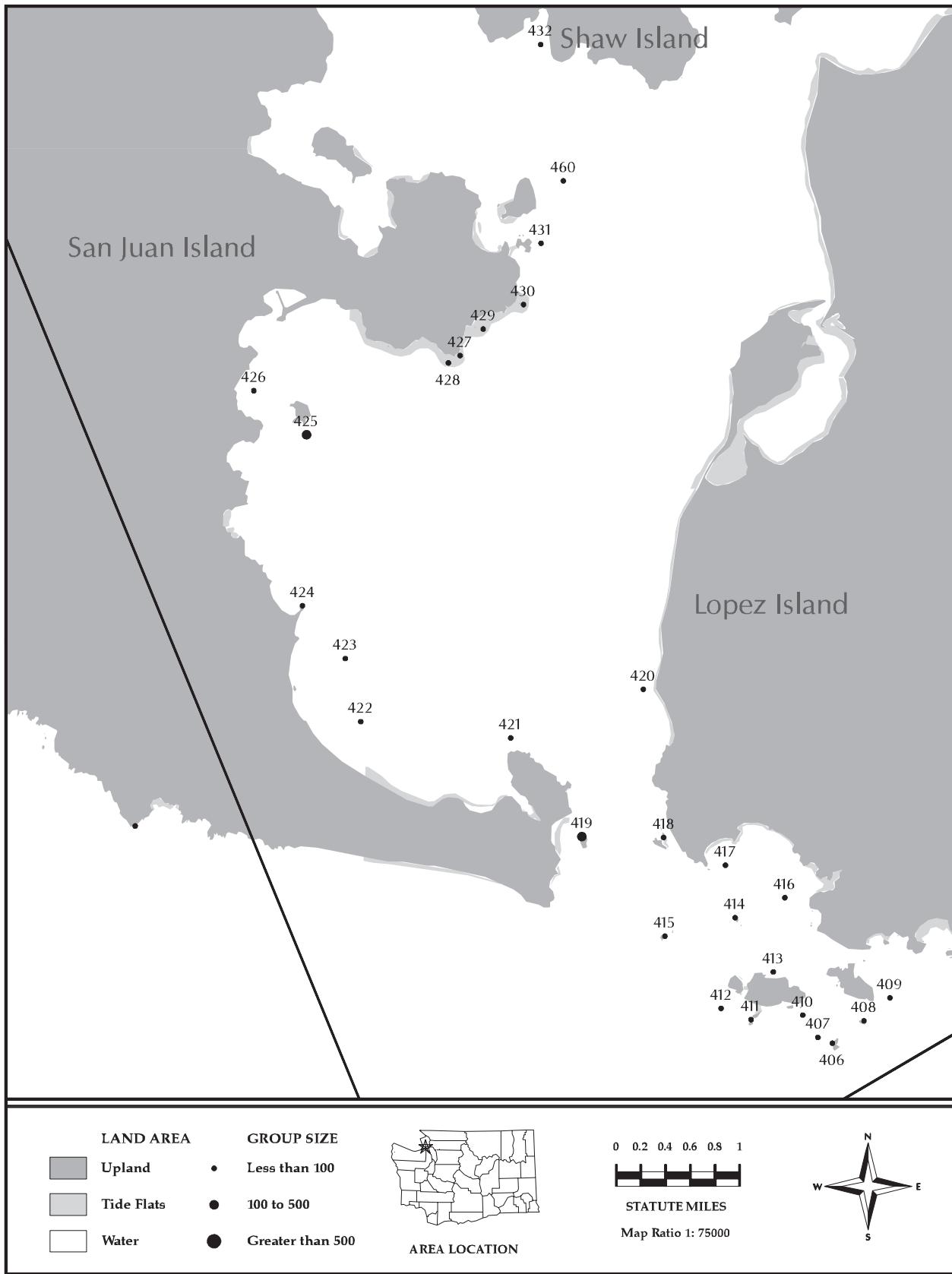
San Juan Islands
Map 12B: San Juan Channel-North

ID	Location	Latitude	Longitude	Species	Description
432	Rock in Hicks Bay	48 33.10	122 58.07	PV	Intertidal areas on rocks in Hicks Bay.
433	Rocks NE of Point George	48 33.99	122 59.01	PV	Intertidal areas on rocks northeast of Point George.
434	Tift Rocks, S of Neck Point	48 34.71	122 59.84	PV	Intertidal areas on Tift Rocks (south of Neck Point).
435	E Of Neck Pt, Shaw Island	48 35.22	123 00.38	PV	Intertidal areas on rocks east of Neck Point.
436	Bell Island/E of Crane Is	48 35.77	122 58.76	PV	Intertidal areas on Bell Island.
437	Reef W of Cliff Island	48 35.33	123 01.13	PV	Intertidal reef area west of Cliff Island.
438	Nob Island	48 35.47	123 01.04	PV	Intertidal areas on Nob Island.
439	Bird Rock/W of Crane Is	48 35.90	123 00.82	PV	Intertidal areas on Bird Rock (USFWS ID 68).
440	Reef Island	48 36.31	123 00.97	PV	Intertidal areas on Reef Island.
441	Rock W of Yellow Island	48 35.46	123 01.97	PV	Intertidal areas on rocks and reef west of Yellow Island (USFWS ID 69).
442	Rocky Bay	48 36.05	123 05.87	PV	Intertidal areas on reef in west Rocky Bay.
443	Rocks SW of O'Neil Island	48 36.20	123 05.53	PV	Intertidal areas on O'Neil Island in Rocky Bay.
455	McConnell Island	48 35.65	123 01.30	PV	Intertidal areas around McConnell Island.
456	Reef E of Jones Island	48 36.74	123 02.16	PV	Intertidal reef areas on east side of Jones Island.
459	Low Island	48 35.36	123 01.46	PV	Intertidal areas around Low Island.



San Juan Islands

Map 12C: San Juan Channel-South



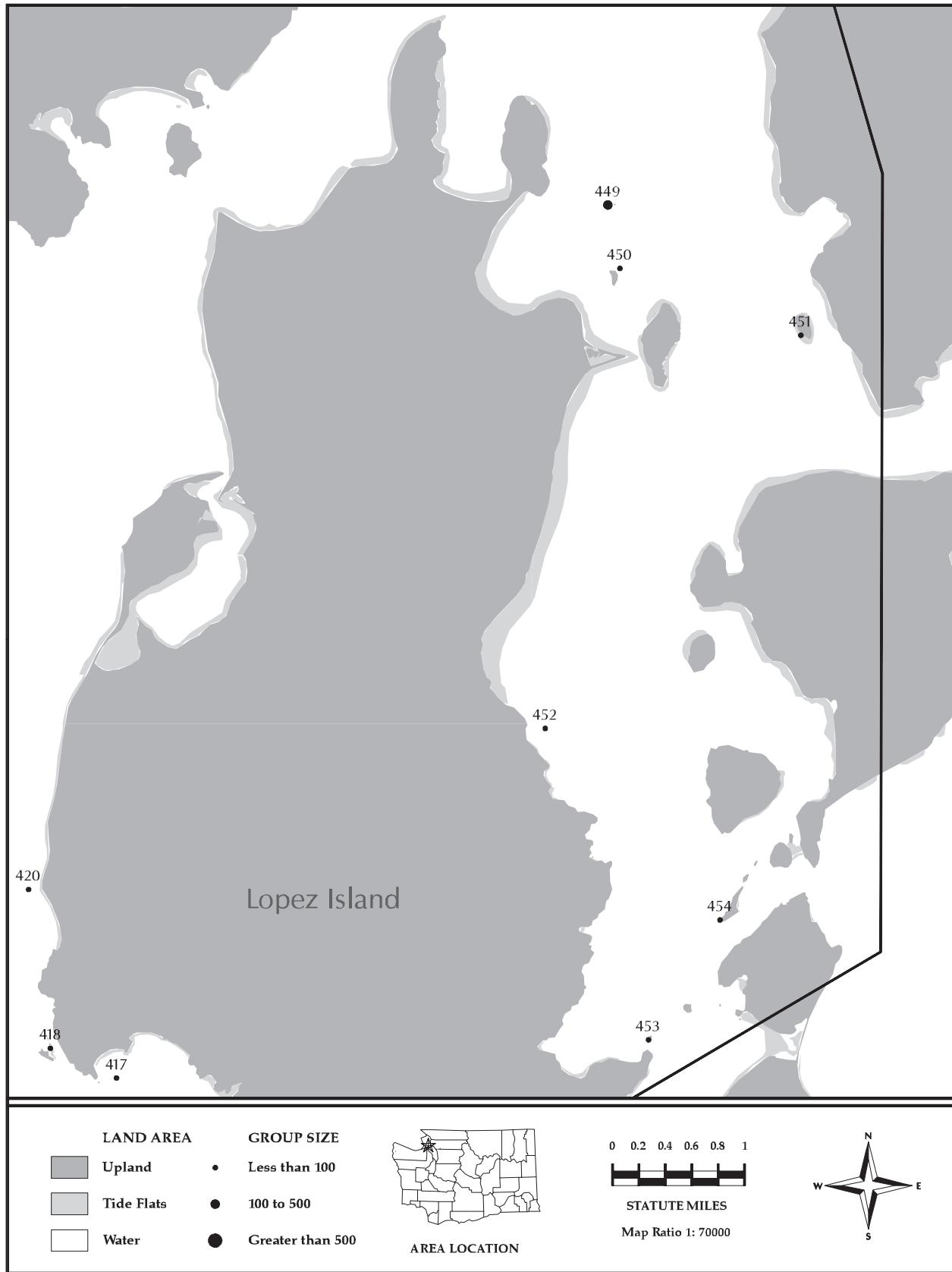
San Juan Islands
Map 12C: San Juan Channel-South

ID	Location	Latitude	Longitude	Species	Description
406	Hall Island Area	48 26.12	122 54.65	PV	Intertidal rocks and reefs around Hall Island (USFWS ID 15).
407	Rock NW of Hall Is.	48 26.16	122 54.81	PV	Rock (USFWS ID 16) and intertidal reef area north west of Hall Island.
408	Secar Rock	48 26.29	122 54.33	PV	On intertidal areas around Secar Rock (USFWS ID 17), east of Charles Island.
409	Rocks E of Charles Is.	48 26.45	122 54.07	PV	Intertidal areas around rock (USFWS ID 18) and reef east of Charles Island.
410	SE of Long Island	48 26.32	122 54.98	PV	Intertidal areas around rock (USFWS ID 19) south east of Long Island.
411	Reef S of Long Is.	48 26.27	122 55.52	PV	Intertidal areas around reef south of Long Island.
412	SW of Long Island	48 26.35	122 55.84	PV	Intertidal areas around rock (USFWS ID 20) south west of Long Island.
413	N of Long Island	48 26.62	122 55.30	PV	Intertidal area around reef north of Long Island.
414	Mummy Rock	48 26.99	122 55.73	PV	Intertidal area around Mummy Rocks (USFWS ID 21).
415	Whale Rock	48 26.84	122 56.46	PV	Intertidal areas on Whale Rock.
416	Buck Island	48 27.14	122 55.21	PV	Intertidal areas on Buck Island (USFWS ID 83).
417	Rocks off Davis Point	48 27.35	122 55.85	PV	Intertidal areas on rocks and reef off Davis Point.
418	Deadman Island	48 27.54	122 56.51	PV	Intertidal areas on Deadman Island.
419	Goose Island	48 27.53	122 57.37	PV	Intertidal areas around north end of Goose Island.
420	Shark Reef	48 28.58	122 56.77	PV	Intertidal areas on Shark Reef (USFWS ID 23).
421	Harbor Rock	48 28.21	122 58.16	PV	Intertidal areas on Harbor Rock (USFWS ID 24).
422	North Pacific Rock	48 28.29	122 59.75	PV	Intertidal areas on North Pacific Rocks (USFWS ID 25).
423	Halftide Rocks	48 28.73	122 59.93	PV	Intertidal areas on Halftide Rocks (USFWS ID 26).
424	Low Point	48 29.09	123 00.40	PV	Intertidal areas off Low Point.
425	Reef S of Dinner Is.	48 30.30	123 00.41	PV	Intertidal reefs and rocks just south of Dinner Island (USFWS ID 74).
426	NW of Dinner Is. (N Bay)	48 30.59	123 00.99	PV	Intertidal reefs and rocks in North Bay (northwest of Dinner Island).
427	Pear Point Area	48 30.89	122 58.82	PV	Intertidal reefs off Pear Point.
428	Pear Point Area	48 30.83	122 58.94	PV	Intertidal reefs off Pear Point.
429	Pear Point Area	48 31.08	122 58.58	PV	Intertidal reefs just north of Pear Point.
430	Danger Rk/NE of Pear Pt	48 31.26	122 58.16	PV	Intertidal areas around Danger Rock.
431	Reef Point	48 31.70	122 58.00	PV	Intertidal rock (USFWS ID 51) and reef area off Reef Point.
432	Rock in Hicks Bay	48 33.10	122 58.07	PV	Intertidal areas on rocks in Hicks Bay.
460	Turn Rock	48 32.14	122 57.79	PV	Intertidal areas on Turn Rock.



San Juan Islands

Map 12D: San Juan Channel-Lopez Sound



San Juan Islands

Map 12D: San Juan Channel-Lopez Sound

<u>ID</u>	<u>Location</u>	<u>Latitude</u>	<u>Longitude</u>	<u>Species</u>	<u>Description</u>
417	Rocks off Davis Point	48 27.35	122 55.85	PV	Intertidal areas on rocks and reef off Davis Point.
418	Deadman Island	48 27.54	122 56.51	PV	Intertidal areas on Deadman Island.
420	Shark Reef	48 28.58	122 56.77	PV	Intertidal areas on Shark Reef (USFWS ID 23).
449	Leo Reef	48 33.19	122 51.25	PV	Intertidal areas around Leo Reef.
450	Flower Island	48 32.78	122 51.11	PV	Intertidal areas around Flower Island (USFWS ID 54).
451	Willow Island	48 32.38	122 49.30	PV	Intertidal areas around Willow Island (USFWS ID 55).
452	Small Island	48 29.74	122 51.71	PV	Intertidal areas on Small Island (USFWS ID 1).
453	Crab Island	48 27.71	122 50.60	PV	Intertidal areas on Crab Island (USFWS ID 5).
454	Ram Island	48 28.51	122 49.93	PV	Intertidal areas on Ram Island.



Region 13: San Juan Islands: Haro Strait

Use NOAA Charts 18421 (Strait of Juan de Fuca and Strait of Georgia/Drayton Harbor), 18431 (Rosario Strait-northern part), and 18432 (Boundary Pass) 18433 (Haro Strait Middle Bank to Stuart Island) and 18434 (San Juan Channel) for navigation and bathymetry details.

Numerous harbor seal haulout sites are located on intertidal rocks, reefs and islands in this region.

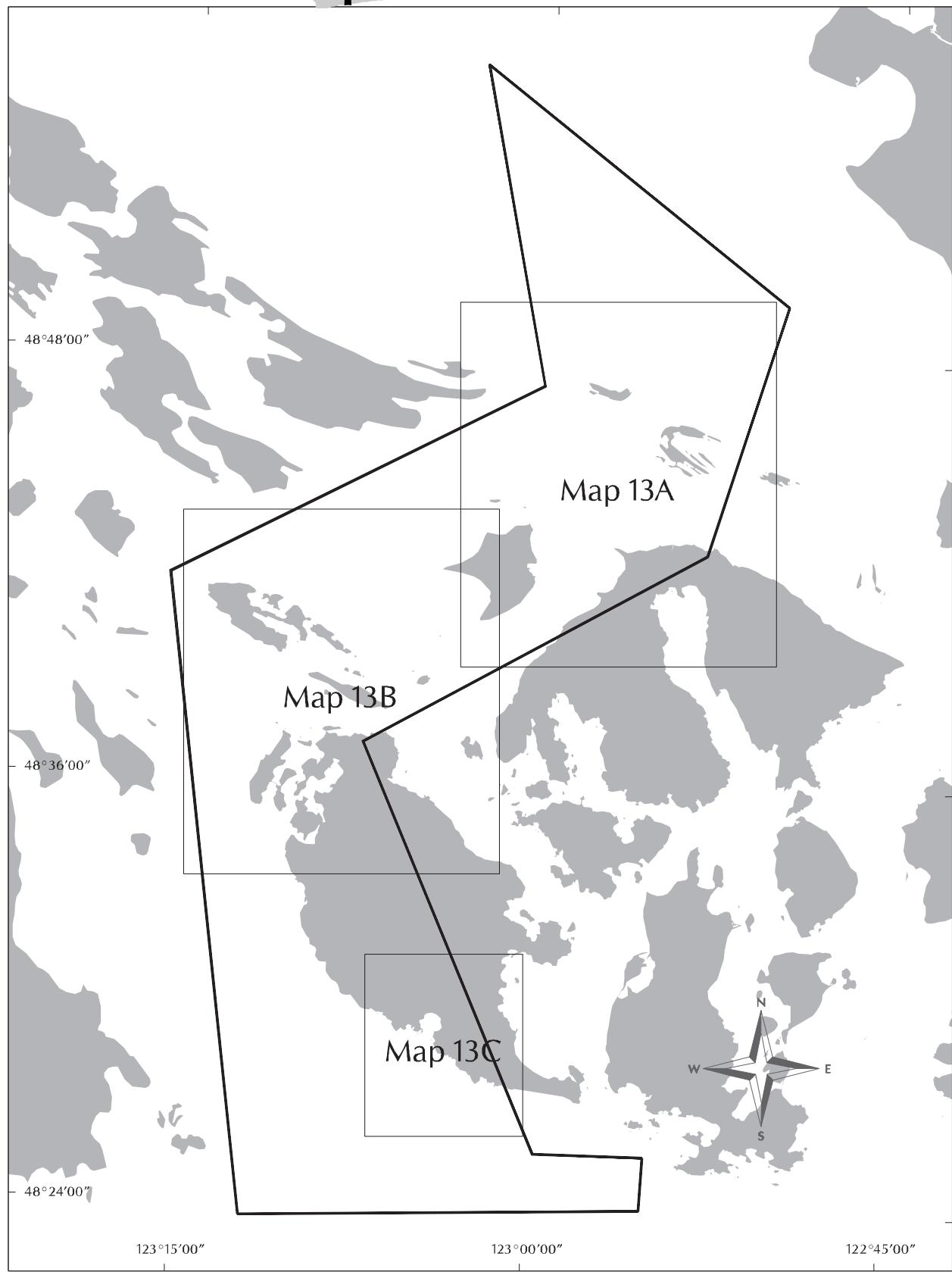
Peak counts occur during the pupping season (mid-June through August) and annual molt (mid-August through October). Small numbers of sea lions may occasionally use navigation buoys.



Harbor seals hauled out on Gull Reef at low tide, August 2, 1996.

San Juan Islands

Map 13: Haro Strait



Region 13: San Juan Islands: Haro Strait

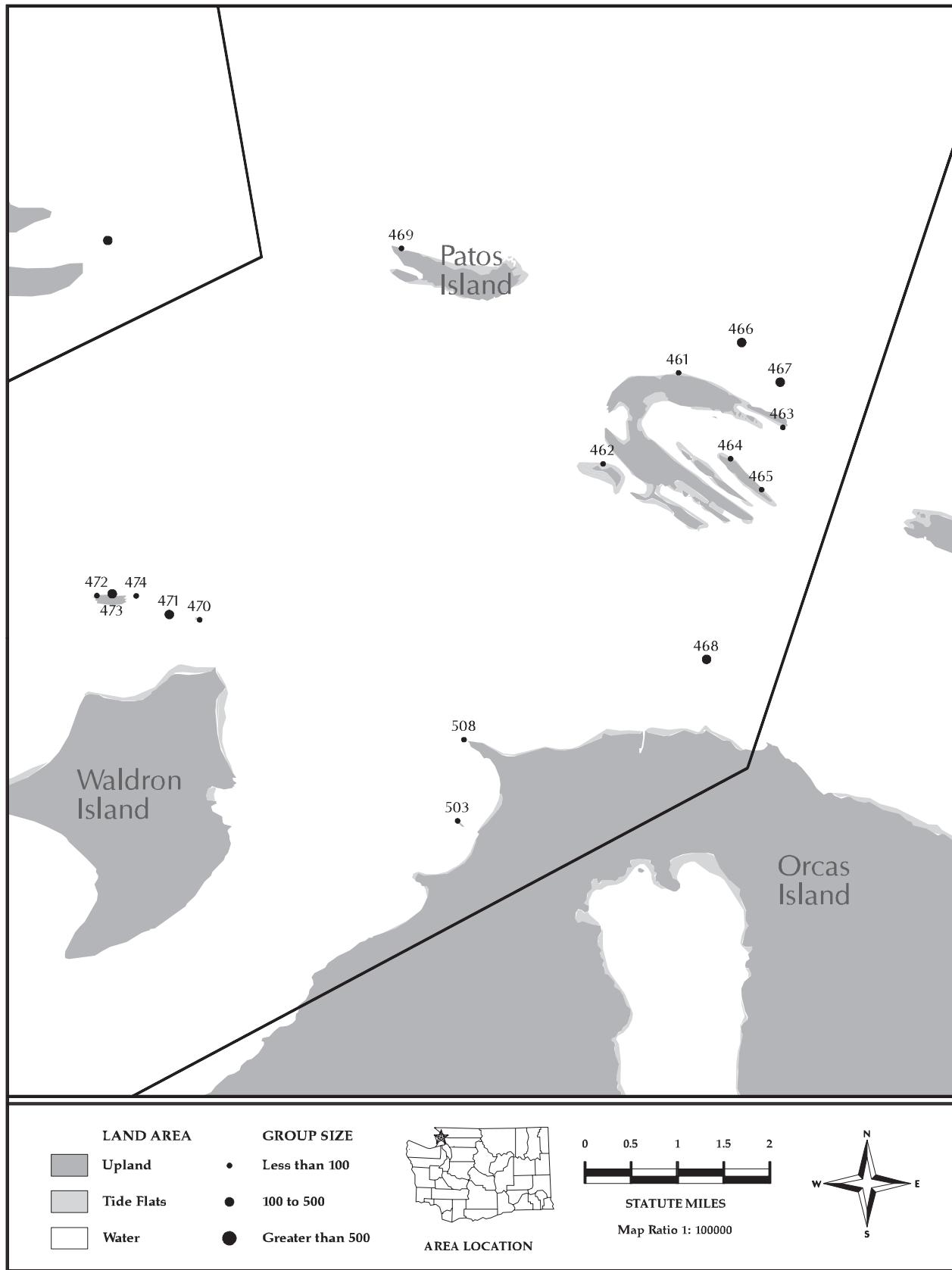
ID	Location	Survey	Code	Latitude	Longitude	Species	Count	Use
461	Sucia Island Area		13.01	48 46.25	122 54.09	PV	<100	LOW
462	Sucia Island Area		13.01	48 45.37	122 55.13	PV	<100	LOW
463	Echo Bay, Ewing Island		13.02	48 45.77	122 52.58	PV	<100	LOW
464	Echo Bay, Finger Islands		13.03	48 45.46	122 53.32	PV	<100	LOW
465	Echo Bay, Finger Islands		13.03	48 45.17	122 52.86	PV	<100	LOW
466	Clements Reef		13.04	48 46.55	122 53.21	PV	100-500	LOW
467	Reef SE of Clements		13.05	48 46.19	122 52.64	PV	100-500	LOW
468	Parker Reef		13.06	48 43.56	122 53.57	PV	100-500	LOW
469	Patos Island		13.07	48 47.34	122 58.09	PV	<100	LOW
470	Bare Island		13.08	48 43.79	123 0.79	PV	<100	LOW
471	Reef E of Skipjack Is.		13.09	48 43.83	123 1.22	PV	100-500	LOW
472	Skipjack Island		13.11	48 43.98	123 2.26	PV	<100	LOW
473	Skipjack Island		13.11	48 44.00	123 2.04	PV	100-500	LOW
474	Reef E of Skipjack		13.11	48 43.99	123 1.70	PV	<100	LOW
475	White Rock Area		13.12	48 40.27	123 4.43	PV	<100	LOW
476	White Rock Area		13.12	48 40.18	123 4.31	PV	100-500	LOW
477	White Rock Area		13.12	48 40.01	123 4.15	PV	100-500	LOW
478	White Rock Area		13.12	48 40.09	123 4.21	PV	<100	LOW
479	Flattop Island		13.13	48 38.74	123 5.15	PV	<100	LOW
480	Ftflatop Island		13.13	48 38.89	123 4.60	PV	<100	LOW
481	Flattop Island		13.13	48 38.71	123 4.88	PV	100-500	LOW
482	Gull Rock		13.14	48 39.07	123 5.31	PV	100-500	LOW
483	Stuart Is./Reid Harbor		13.15	48 39.80	123 10.04	PV	<100	LOW
484	Satellite Is./Prevost Harbor		13.16	48 40.68	123 11.00	PV	<100	LOW
485	Ripple Island		13.17	48 39.38	123 7.79	PV	100-500	LOW
486	Gull Reff		13.18	48 39.29	123 8.72	PV	<100	LOW
487	Shag Reef		13.19	48 39.26	123 7.92	PV	<100	LOW
488	Little Cactus Island		13.20	48 39.02	123 8.05	PV	<100	LOW
489	Cactus Island Area		13.21	48 38.89	123 7.67	PV	<100	LOW
490	Cactus Island Area		13.21	48 38.90	123 7.51	PV	<100	LOW
491	Rocks SE of Cactus		13.22	48 38.89	123 7.43	PV	<100	LOW
492	Rf Betw Gull Rf & Cactus		13.23	48 39.22	123 8.50	PV	<100	LOW
493	Sentinel Island		13.24	48 38.41	123 9.07	PV	<100	LOW
494	Sentinel Rock		13.25	48 38.41	123 9.35	PV	100-500	LOW
495	Posey Is, Reef N of Pearl		13.26	48 37.12	123 9.97	PV	<100	LOW
496	Barren Island		13.27	48 37.39	123 9.58	PV	<100	LOW
497	Battleship Island		13.28	48 37.46	123 11.01	PV	100-500	LOW
498	Rocks off Mccracken Pt		13.29	48 37.19	123 10.82	PV	<100	LOW
499	So Henry Island Area		13.30	48 34.94	123 10.19	PV	<100	LOW
500	So Henry Island Area		13.30	48 35.01	123 10.76	PV	<100	LOW
501	Mosquito Pass Area		13.31	48 35.86	123 10.15	PV	<100	LOW
502	False Bay Area		13.32	48 28.87	123 4.58	PV	<100	LOW
503	Freeman Island		13.33	48 41.97	122 57.04	PV	<100	LOW
504	Speiden Island		13.34	48 38.48	123 8.56	PV	<100	LOW
505	Speiden Island		13.34	48 38.37	123 8.31	PV	<100	LOW
506	Speiden Island		13.34	48 38.31	123 8.15	PV	<100	LOW
507	Eagle Point Area		13.35	48 27.50	123 2.09	PV	<100	LOW
508	Pt. Doughty		13.36	48 42.74	122 56.98	PV	<100	LOW

Region 13: San Juan Islands: Haro Strait

<u>ID</u>	<u>Description</u>
461	Intertidal ledges along north side of island.
462	Intertidal rocks off southwest side of island.
463	Intertidal areas during pupping season.
464	Intertidal ledges along north side of island.
465	Intertidal ledges along south east side of island.
466	Intertidal areas on reef (USFWS ID 44).
467	Intertidal areas on reef (USFWS ID 45) south east of Clements Reef.
468	Intertidal areas on reef (USFWS ID 46).
469	Intertidal ledges and reef areas on north side.
470	Intertidal ledges around Bare Island (USFWS ID 84).
471	Intertidal reef area between Bare and Skipjack Islands.
472	Intertidal ledges on northwest side of island (USFWS ID 42).
473	Intertidal ledges on northeast side of island (USFWS ID 42).
474	Intertidal ledges and reef area around unnamed rock (USFWS ID 43) east of the Skipjack Island.
475	Intertidal areas on the north White Rock (USFWS ID 40).
476	Intertidal areas on the middle White Rock (USFWS ID 40).
477	Intertidal areas on the south White Rock (USFWS ID 40).
478	Intertidal areas on the reef off the south end of White Rock.
479	Intertidal areas on west end of Flattop Island (USFWS ID 39).
480	Intertidal areas on east end of island.
481	Intertidal ledges and reef on south side of island.
482	Intertidal areas around rock (USFWS ID 38).
483	Intertidal ledges and reefs around entrance into Reid Harbor.
484	Intertidal ledges and reef areas around Satellite Island in Prevost Harbor.
485	Intertidal areas around island (USFWS ID 35).
486	Intertidal rocks and reef areas around Gull Reef (USFWS ID 34).
487	Intertidal areas around Shag Reef (USFWS ID 36).
488	Intertidal ledges and rocks around Little Cactus Island (USFSW ID 37).
489	Intertidal ledges and reef areas on south side of Cactus Island.
490	Intertidal ledges and reef areas on east end of Cactus Island.
491	Intertidal rocks and reef areas off southeast end of Cactus Island.
492	Intertidal rocks and reef areas between Gull Reef and Little Cactus Island.
493	Intertidal ledges around Sentinel Island.
494	Intertidal rocks and reef areas around Sentinel Rock (USFWS ID 32).
495	Intertidal rocks and reef areas on north side of Pearl Island.
496	Intertidal rocks and reef areas around Barren Island (USFWS ID 30).
497	Intertidal ledges and reef areas around Battleship Island (USFWS ID 31).
498	Intertidal rocks and reef areas southwest of McCracken Point.
499	Intertidal rocks and reef areas around south entrance to Mosquito Pass.
500	Intertidal rocks and reef areas off southeast end of Henry Island.
501	Intertidal rocks and reef areas along Mosquito Pass.
502	Intertidal rocks and reef area on unnamed rock (USFWS ID 27) off False Bay.
503	Intertidal ledges and reef areas around Freeman Island.
504	Intertidal ledges on south side of Speiden Island.
505	Intertidal ledges on south side of Speiden Island.
506	Intertidal ledges on south side of Speiden Island.
507	Intertidal rocks and reef areas off Eagle Point.
508	Intertidal ledges and rocks along south side of Point Doughty.

San Juan Islands

Map 13A: Haro Strait-North

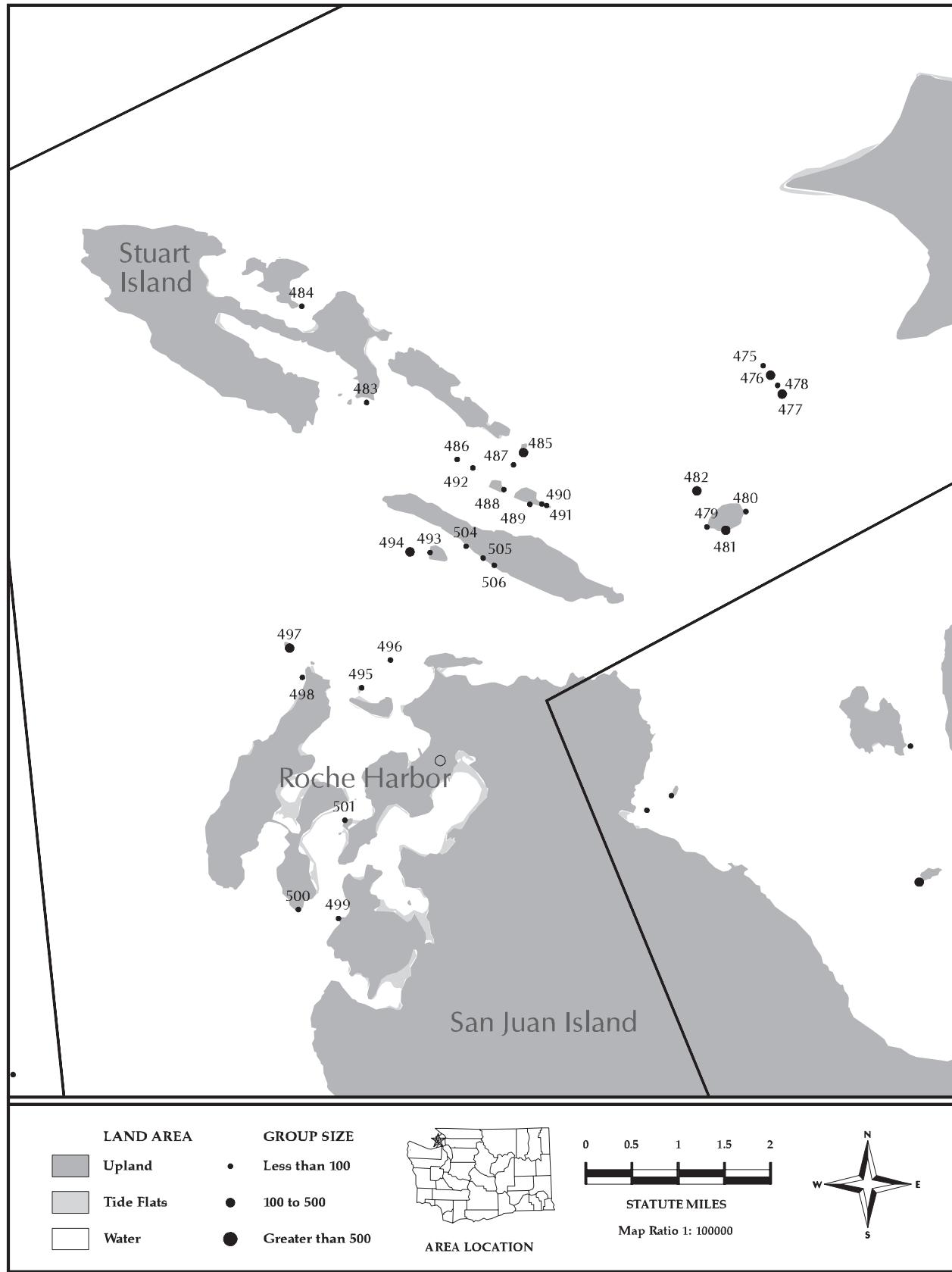


San Juan Islands
Map 13A: Haro Strait-North

ID	Location	Latitude	Longitude	Species	Description
461	Sucia Island Area	4846.25	12254.09	PV	Intertidal ledges along north side of island.
462	Sucia Island Area	4845.37	12255.13	PV	Intertidal rocks off southwest side of island.
463	Echo Bay, Ewing Island	4845.77	12252.58	PV	Intertidal areas during pupping season.
464	Echo Bay, Finger Islands	4845.46	12253.32	PV	Intertidal ledges along north side of island.
465	Echo Bay, Finger Islands	4845.17	12252.86	PV	Intertidal ledges along south east side of island.
466	Clements Reef	4846.55	12253.21	PV	Intertidal areas on reef (USFWS ID 44).
467	Reef SE of Clements	4846.19	12252.64	PV	Intertidal areas on reef (USFWS ID 45) south east of Clements Reef.
468	Parker Reef	4843.56	12253.57	PV	Intertidal areas on reef (USFWS ID 46).
469	Patos Island	4847.34	12258.09	PV	Intertidal ledges and reef areas on north side.
470	Bare Island	4843.79	12300.79	PV	Intertidal ledges around Bare Island (USFWS ID 84).
471	Reef E of Skipjack Is.	4843.83	12301.22	PV	Intertidal reef area between Bare and Skipjack Islands.
472	Skipjack Island	4843.98	12302.26	PV	Intertidal ledges on northwest side of island (USFWS ID 42).
473	Skipjack Island	4844.00	12302.04	PV	Intertidal ledges on northeast side of island (USFWS ID 42).
474	Reef E of Skipjack	4843.99	12301.70	PV	Intertidal ledges and reef area around unnamed rock (USFWS ID 43) east of the Skipjack Island.
503	Freeman Island	4841.97	12257.04	PV	Intertidal ledges and reef areas around Freeman Island.
508	Pt. Doughty	4842.74	12256.98	PV	Intertidal ledges and rocks along south side of Point Doughty.

San Juan Islands

Map 13B: Haro Strait-Central



San Juan Islands
Map 13B: Haro Strait-Central

ID	Location	Latitude	Longitude	Species	Description
475	White Rock Area	48 40.27	123 04.43	PV	Intertidal areas on the north White Rock (USFWS ID 40).
476	White Rock Area	48 40.18	123 04.31	PV	Intertidal areas on the middle White Rock (USFWS ID 40).
477	White Rock Area	48 40.01	123 04.15	PV	Intertidal areas on the south White Rock (USFWS ID 40).
478	White Rock Area	48 40.09	123 04.21	PV	Intertidal areas on the reef off the south end of White Rock.
479	Flattop Island	48 38.74	123 05.15	PV	Intertidal areas on west end of Flattop Island (USFWS ID 39).
480	Flattop Island	48 38.89	123 04.60	PV	Intertidal areas on east end of island.
481	Flattop Island	48 38.71	123 04.88	PV	Intertidal ledges and reef on south side of island.
482	Gull Rock	48 39.07	123 05.31	PV	Intertidal areas around rock (USFWS ID 38).
483	Stuart Is./Reid Harbor	48 39.80	123 10.04	PV	Intertidal ledges and reefs around entrance into Reid Harbor.
484	Satellite Is./Prevost Harbor	48 40.68	123 11.00	PV	Intertidal ledges and reef areas around Satellite Island in Prevost Harbor.
485	Ripple Island	48 39.38	123 07.79	PV	Intertidal areas around island (USFWS ID 35).
486	Gull Reef	48 39.29	123 08.72	PV	Intertidal rocks and reef areas around Gull Reef (USFWS ID 34).
487	Shag Reef	48 39.26	123 07.92	PV	Intertidal areas around Shag Reef (USFWS ID 36).
488	Little Cactus Island	48 39.02	123 08.05	PV	Intertidal ledges and rocks around Little Cactus Island (USFSW ID 37).
489	Cactus Island Area	48 38.89	123 07.67	PV	Intertidal ledges and reef areas on south side of Cactus Island.
490	Cactus Island Area	48 38.90	123 07.51	PV	Intertidal ledges and reef areas on east end of Cactus Island.
491	Rocks SE of Cactus	48 38.89	123 07.43	PV	Intertidal rocks and reef areas off southeast end of Cactus Island.
492	Rf Betw Gull Rf & Cactus	48 39.22	123 08.50	PV	Intertidal rocks and reef areas between Gull Reef and Little Cactus Island.
493	Sentinel Island	48 38.41	123 09.07	PV	Intertidal ledges around Sentinel Island.
494	Sentinel Rock	48 38.41	123 09.35	PV	Intertidal rocks and reef areas around Sentinel Rock (USFWS ID 32).
495	Posey Is, Reef N of Pearl	48 37.12	123 09.97	PV	Intertidal rocks and reef areas on north side of Pearl Island.
496	Barren Island	48 37.39	123 09.58	PV	Intertidal rocks and reef areas around Barren Island (USFWS ID 30).
497	Battleship Island	48 37.46	123 11.01	PV	Intertidal ledges and reef areas around Battleship Island (USFWS ID 31).
498	Rocks off Mccracken Pt	48 37.19	123 10.82	PV	Intertidal rocks and reef areas southwest of McCracken Point.
499	So Henry Island Area	48 34.94	123 10.19	PV	Intertidal rocks and reef areas around south entrance to Mosquito Pass.
500	So Henry Island Area	48 35.01	123 10.76	PV	Intertidal rocks and reef areas off southeast end of Henry Island.
501	Mosquito Pass Area	48 35.86	123 10.15	PV	Intertidal rocks and reef areas along Mosquito Pass.
504	Speiden Island	48 38.48	123 08.56	PV	Intertidal ledges on south side of Speiden Island.
505	Speiden Island	48 38.37	123 08.31	PV	Intertidal ledges on south side of Speiden Island.
506	Speiden Island	48 38.31	123 08.15	PV	Intertidal ledges on south side of Speiden Island.

San Juan Islands

Map 13C: Haro Strait-South



San Juan Islands
Map 13C: Haro Strait-South

<u>ID</u>	<u>Location</u>	<u>Latitude</u>	<u>Longitude</u>	<u>Species</u>	<u>Description</u>
502	False Bay Area	48 28.87	123 04.58	PV	Intertidal rocks and reef area on unnamed rock (USFWS ID 27) off False Bay.
507	Eagle Point Area	48 27.50	123 02.09	PV	Intertidal rocks and reef areas off Eagle Point.

